BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: ***Estimate for Improvements to Roads, drains and other works at Kuvempunagara 1st Stage Cross Road in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.***

JOB CODE: 011-18-000019

Estimated Cost: Rs. 25.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads, Drains and other works in Kuvempunagara 1st Stage Coss Roads in Ward No. 11, Kuvempunagara.

Est Cost Rs. 2500000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum							
	Slit Cleaning Kuvempunagara Samudhya Bhavana Road		2	210.00	0.45	0.30	56.70		
	Cross Road		2	22.00	0.45	0.30	5.94		
	Basic Rate	82.00					**62.64**	199.36	**12488.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @6%	11.28							
	Total	**199.36**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 25 / Item No. 5.33 PWD SR 2016-17**	Sqm							
	Kuvempunagara Samudhya Bhavana Road		2	210.00		1.35	567.00		
	Cross Road		2	22.00		1.35	59.40		
	Basic Rate	76.00					**626.40**	80.56	**50463.00**
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 25 / Item No. 5.31.1 PWD SR 2016-17**	Sqm							
	Damaged Slabs			Vide Item No. 2			438.48		
	Basic Rate	628.00					**438.48**	665.68	**291887.00**
	Area Weightage @ 6%	37.68							
	Total	**665.68**							
4	KSRB 2.8 : Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS **Page No. 5 / Item No. 2.15 of PWD SR 2016-17**	Cum							
	Kuvempunagara Samudhya Bhavana Road		2	210.00	0.45	0.30	56.70		
	Cross Road		2	22.00	0.45	0.30	5.94		
	Basic Rate	2114.00					**62.64**	2240.84	**140366.00**
	Area Weightage @ 6%	126.84							
	Total	2240.84							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	Kuvempunagara Samudhya Bhavana Road		4	210.00	0.30	0.15	37.80		
	Cross Road		4	22.00	0.30	0.15	3.96		
	Basic Rate	4867.00					**41.76**	5159.02	**215441.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
6	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size **400x200x200 mm** having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.1, PWD SR 2016-17**	Sqm							
	Kuvempunagara Samudhya Bhavana Road		4	210.00		0.60	504.00		
	Cross Road		4	22.00		0.60	52.80		
	Basic Rate	937.00					**556.80**	993.22	**553025.00**
	Area Weightage @ 6%	56.22							
	Total	**993.22**							
7	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	Bed Concrete		2	210.00	0.45	0.10	18.90		
			2	22.00	0.45	0.10	1.98		
	Coping Concrete		4	210.00	0.20	0.10	16.80		
			4	22.00	0.20	0.10	1.76		
	Basic Rate	5441.00					**39.44**	5767.46	**227469.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
8	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain Slab		700	0.90	0.60		378.00		
			73	0.90	0.60		39.60		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							441.00	1820.56	802867.00
	Sub Total								2251381.00
	KRIDL Charges @ 10%								225138.00
	Labour Cess Charges @ 1%								22514.00
	Add for unforseen and rounding off	L/S							967.00
								Total	2500000.00
	Rupees Twenty Five Lakh(s) Only								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2016-17.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

14/12
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

14/12

ADMINISTRATIVE APPROVAL
Accorded For Rs. Twenty Five lakh only
Head of A/c. P-1878
Div. Ref. No. 79/17-18 Date 14/12/17

AE 14/12
EE(BTP) 14/12

25.12
P 1878
CE/TA/588/12/78 07/01/18

TA CE (TP&D)

Name of work : Improvements to roads and Other works at Kuvempu nagar 1st stage ~~Gross~~ Main Roads and Surroundings in ward No 11 Kuvempunagar.

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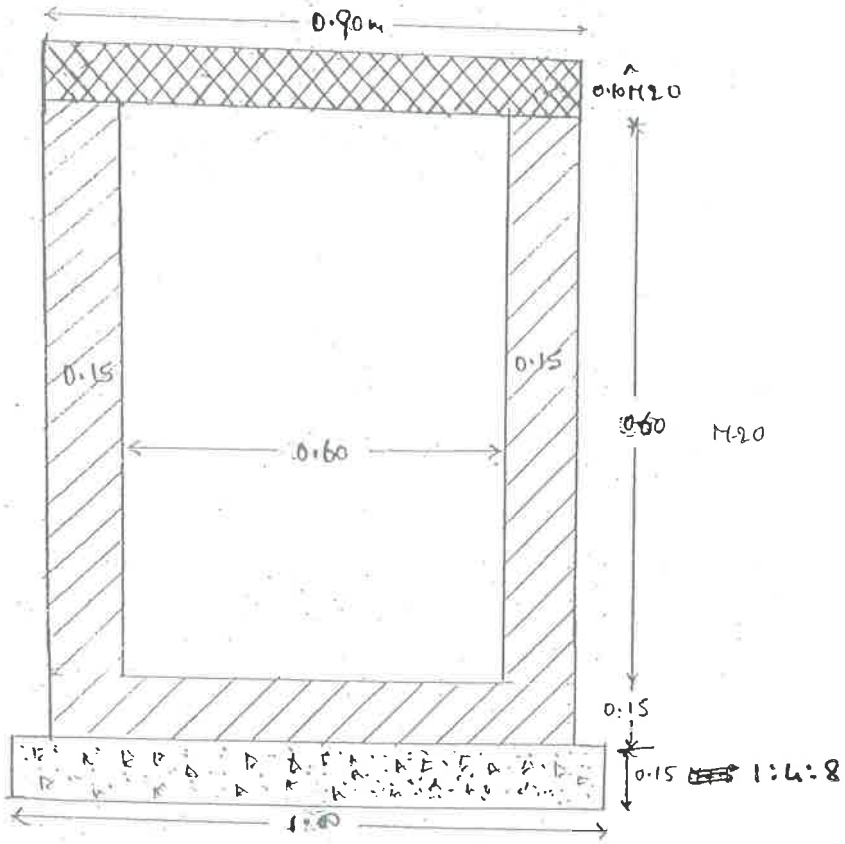
■ – Improvements to Drains

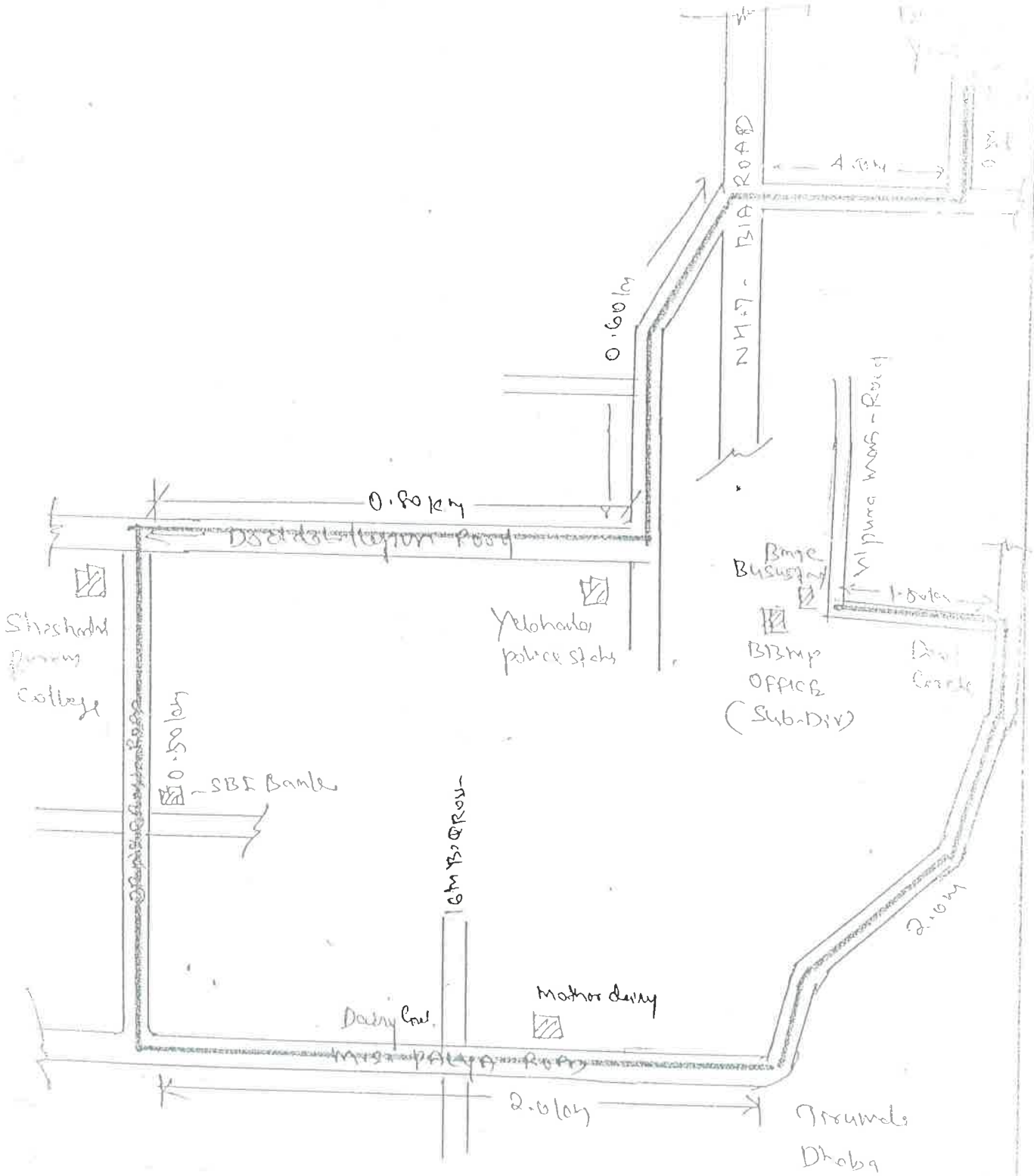
Assistant Engineer
Ward No.11

Assistant Executive Engineer
Vidyaranyapura Sub Division.BBMP



CROSS SECTION OF CC DRAIN

Layout plan for Dumping yard for Inert m



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WARD NAME : 11 - KUVEMPU NAGAR